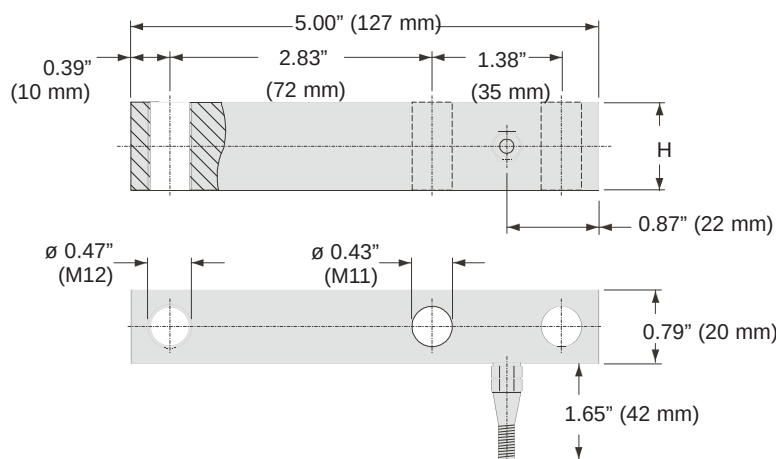


Model 101 Load Cell

Order Code BL803

- Low Cost
- 100 to 2,000 lb. (50 to 1,000 kg) Range
- +/- 0.02% Total Error



Wiring Code

Red	(+) Supply
Black	(-) Supply
Green	(+) Output
White	(-) Output

Dimensions

Load (lb.)	Load (kg)	H (in.)	H (mm)
100 - 500	50 - 250	0.71	18
1,000 - 2,000	500; 1,000	0.94	24

Performance

Load Ranges.....	100; 250; 500; 1,000; 2,000 lb.
.....	50; 100; 250; 500; 1,000 kg
Total Error.....	+/- 0.02% Full Scale
Output (tolerance).....	2.0 +/- 0.002 mV/V (nominal)
Creep (max.).....	+/- 0.02% Full Scale (30 minute)

Environmental

Temperature, Operating.....	-20° to 160° F (-30° to 70° C)
Temperature, Compensated.....	0° to 130° F (-20° to 55° C)
Temperature, Effect	
Zero.....	+/- 0.02% Full Scale/ 10° C
Span.....	+/- 0.02% Full Scale/ 10° C

Electrical

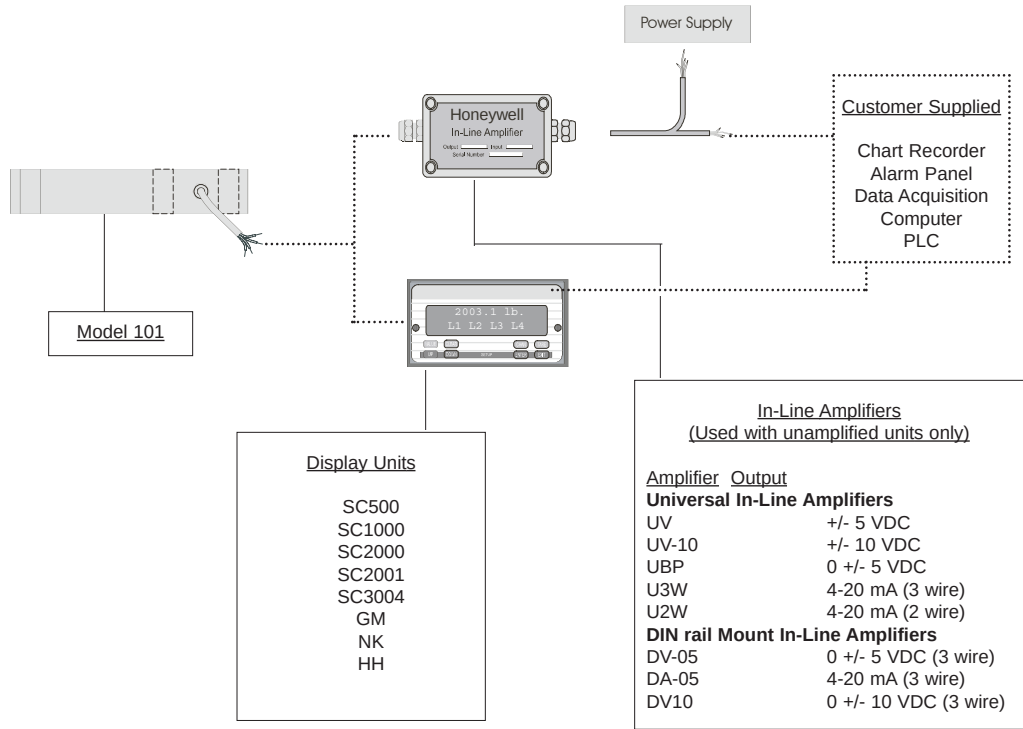
Strain Gage Type.....	Bonded Foil
Excitation (calibration).....	10-12 VDC
Excitation (max.).....	15 VDC
Insulation Resistance.....	>= 5000 MegaOhms
Bridge Resistance (tolerance) Input Resistance.....	400 +/- 10 Ohms (nominal)
Output Resistance.....	352 +/- 2 Ohms (nominal)
Zero Balance (tolerance).....	+/- 1% Full Scale
Electrical Termination (std).....	9.8 ft. (3m) Cable (flying leads)
Static Overload Capacity.....	50% over capacity (note 1)

Mechanical

Material.....	Alloy Steel
Life Cycles (approx.).....	10 million
Deflection.....	Less than or equal to 0.08 in. (2mm)

Model 101

Typical System Diagram



Range Codes

Range	Range Code	Range	Range Code
100 lb.	BR	50 kg	LD
250 lb.	CP	100 kg	LF
500 lb.	CR	250 kg	LG
1,000 lb.	CV	500 kg	LK
2,000 lb.	DL	1,000 kg	LN

Notes

1. Allowable Maximum Loads- Maximum load to be applied without damage *2.
2. Without Damage- loading to this level will not cause excessive zero shift or performance degradation. The user must consider fatigue life for long term use and structural integrity. All structurally critical applications (overhead loading, etc.) should always be designed with safety redundant load paths.

How to Order

Combine the order code and the range code.

Sample Code: **BL803** **CV**
Order Code Range Code